

19970815.ba v01\_n621.bam.970815 v01\_n622.bam.970815

>From ???@??? Fri Aug 15 01:33:04 1997  
Message-Id: <199708150502.AAA13642@sco.theporch.com>  
Date: Fri, 15 Aug 1997 00:02:56 CDT  
Subject: BOATANCHORS digest 1621

BOATANCHORS Digest 1621

Topics covered in this issue include:

- 1) Richardson Area visit: BA inquiry  
by Wayne Harrah/CDR/BSM/MCI  
<Wayne.Harrah@MCI.Com>
- 2) Re 316  
by philip mccooy <dgnova@erols.com>
- 3) Warren Hamfest  
by Surplus Al <surplsal@tl.infi.net>
- 4) Looking for HP 200AB Manual/Schematic copy  
by Tom Taylor <ttaylor@Adobe.COM>
- 5) Bolinas is Silent  
by W B Reese <radions@jps.net>
- 6) Re: 316A or VT-191 tube  
by William Donzelli <william@ans.net>
- 7) SX-99 Manual  
by =?iso-8859-1?Q?WA=D8HQQ?= <tirevold@atl.mindspring.com>
- 8) WRL Globe stuff needing manuals and home  
by "Lawrence R. Ware" <lrware@pipeline.com>
- 9) FREE: RBA receiver & power supply  
by ross@hypertools.com (David Ross)
- 10) SELL/TRADE: ATA Command Set parts  
by ross@hypertools.com (David Ross)
- 11) Re: ID Old Aircraft Radio  
by Al Klase <skywaves@bw.webex.net>
- 12) SB/HW XTALS  
by "Larry" <rau@wco.com>
- 13) Settings for Loctals  
by Andre Guibert <aguibert@sympatico.ca>
- 14) Anyone Need an AS-69/AP  
by "Richard L. Duell" <rduell@iac.net>
- 15) 5U4 rectifier sub  
by DCrespy@aol.com
- 16) DX-60B Parts to Good Home  
by Reid Wheeler <reid@olywa.net>
- 17) Re: 5U4 rectifier sub  
by Morris Odell <morriso@vifp.monash.edu.au>
- 18) DX-60B Parts Gone  
by Reid Wheeler <reid@olywa.net>

- 19) I'm Back!!!!!!  
by Stefan A Schulz <sas1757@tntech.edu>
- 20) Mecury Model 500 Component Substitutor  
by "Larry Johnson" <k5yf@wt.net>
- 21) FS: Tek Manuals  
by "Frank R. White" <frw@gvi.net>
- 22) R-4A for R-4 #727 (a shot in the dark)  
by "Paul, K4MSG and/or Sandra, The BW" <bocks@erols.com>
- 23) BA gem  
by Tom Clarke <fclarke@erols.com>
- 24) BA spotted  
by Tom Clarke <fclarke@erols.com>
- 25) Hamfest Alert.  
by Glenn Finerman <glennfin@worldnet.att.net>
- 26) Huntsville (AL) Hamfest  
by Ed Tanton <n4xy@bellsouth.net>

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Date: 14 Aug 97 16:27:37 EDT  
From: Wayne Harrah/CDR/BSM/MCI  
<Wayne.Harrah@MCI.Com>  
To: Boatanchors <Boatanchors@theporch.com>  
Subject: Richardson Area visit: BA inquiry  
Message-ID: <199708142130.PAA00476@csp020.cs.mci.com>

Experienced Heavyweight-Hobbyists:

THE BACKGROUND:

I am newly exposed to this BA-disease. I have to go on a week-long trip. I would ask a couple of questions:

THE REQUESTS:

[a] I'm going to Richardson/Dallas area for a week of work-related Training, and was wondering if there were any fun BA/Surplus places to hang-out/visit? (I am behind on reading my Reflector mail, so apologies if this has been requested by someone else recently and answered.)

[b] Also (or instead of previous question/answer) is there maybe an 'expert-impersonator-showoff-wannabe' or two from the Richardson/Dallas area that might be interested in letting me come over to visit for an hour or so in the evening (if possible) and actually look through toy collection? Icing on the cake would be SEEING a separate BA TX/RX combination IN OPERATION, especially AM! (I have experience only with Transceivers, and haven't gotten the nerve to fire up my HT-37/SX-111 yet.) (Money is tight at my house, so I believe in 'haste makes waste'.)

Is there anybody out there willing to be a BA ELMER for an hour or so? Now

would be your chance to IMPRESS somebody from IOWA who doesn't really KNOW you don't know what you are doing/talking about and would HANG on your every word! (They don't come much greener than me!) ;-)

IMPORTANT DATA:

I will be in Richardson at the 'Roach-Motel' (euphamistically speaking) from Sunday eve. (Aug. 17) until Friday afternoon (Aug. 22). If anybody could answer either of my two questions, I would be MOST appreciative!

Regards,  
The GreenHorn from Iowa,  
Wayne Harrah  
ke0ms  
Wayne.Harrah@mci.com  
1-800-728-7000, ext. 2096

;-)

\*\*\*\*\*

Q: "What are you DOING?"

A: "If I knew THAT, I would be getting paid more."

\*\*\*\*\*

p.s. If possible, please respond prior to Noon Friday (tomorrow), as I get the BA reflector mail at work, and will be gone after 1:30 CDT Friday, Aug 15th. Sorry for the Bandwidth. I will be printing out about 3 weeks of Reflector mailings to read while I am there! That is how behind I am! Thanx!

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Date: Thu, 14 Aug 97 17:45:59 -0700  
From: philip mccoys <dgnova@erols.com>  
To: boatanchors@sco.theporch.com  
Subject: Re 316  
Message-ID: <199708142148.RAA13198@smtp2.erols.com>

Re the 316:

This was a Western Electric tube meant for ultra short wave (1930s wording) and sold to amateur radio operators. It's filament is fragil. Take care in handling it.

Philip McCoy dgnova@erols.com

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Date: Thu, 14 Aug 1997 13:44:09 -0400  
From: Surplus Al <surplsal@tl.infi.net>  
To: boatanchors@theporch.com  
Subject: Warren Hamfest  
Message-ID: <33F3439F.5FF0@tl.infi.net>

I will be away for 2-weeks please no Email.. Be at Warren Hamfest Sunday  
All BA members come say Hello. 73 Al  
Visit <http://www.qsl.net/w3ugd>

-----  
Date: Thu, 14 Aug 1997 14:57:36 -0700  
From: Tom Taylor <ttaylor@Adobe.COM>  
To: boatanchors@theporch.com  
Subject: Looking for HP 200AB Manual/Schematic copy  
Message-ID: <v03007803b0192ee2de94@[144.7.25.26]>

I bought a HP200AB audio oscillator at the Tacoma, WA fleamarket for \$5. I didn't even have to "deal." That was the marked price. The piece of gear works on one of the ranges. I'd like to fix it. I'm looking for a copy of the manual or schematic.

Thanks,  
Tom n7tm

Tom Taylor  
ttaylor@adobe.com

-----  
Date: Thu, 14 Aug 1997 22:23:36 +0100  
From: W B Reese <radions@jps.net>  
To: boatanchors@theporch.com  
Subject: Bolinas is Silent  
Message-ID: <3.0.32.19970814222247.00689f1c@jps.net>

BOATANCHORS Digest 1620

- 1) Bolinas is Silent  
by "Dick Dillman" <ddillman@igc.apc.org>

Date: Wed, 13 Aug 97 23:43:38 PST

14VIII97 NR3 CK82 WB6TMY

Thanks for writing about us Dick. Jeffrey & other list members can see lots of great old boatanchors at the now dark Bolinas Transmitter Site:

I'm the guy who turned off all the rigs on that fateful day, June 30th '97.

Tracy "TR" WB6TMY

Date: Thu, 14 Aug 1997 18:56:00 -0400 (EDT)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 316A or VT-191 tube  
Message-ID: <199708142256.AA13327@interlock.ans.net>

It is just about the first triode capable of operation in the low UHF range.

Interestingly, the GE versions of the tube are better than the WE versions (which tend to all go soft).

William Donzelli  
william@ans.net

-----  
Date: Thu, 14 Aug 1997 23:34:23 +0000  
From: =?iso-8859-1?Q?WA=D8HQQ?= <tirevold@atl.mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SX-99 Manual  
Message-ID: <3.0.32.19970814231544.0068d478@pop.atl.mindspring.com>

Anchoorites,

I am in need of a manual, including schematic, for a Hallicrafters SX-99.

Any one got one they can make a copy of for me - - - Of course I'll pay=  
copying and mailing costs.

Thanks,

Al  
..

WA=D8HQQ - tirevold@mindspring.com - Thermionic Macroelectronics Operator  
Trinary-Digital-Communicator (Dots, Dashes, and Spaces)

-----  
Date: Thu, 14 Aug 1997 18:44:58 +0000  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
To: boatanchors@sco.theporch.com  
Subject: WRL Globe stuff needing manuals and home  
Message-ID: <3.0.32.19970814184441.0068ed6c@pop.pipeline.com>

Good evening firebottle fans:

Today I rescued a couple of odd pieces of WRL history from the disassemblers... (They were fated to have firebottles pulled, then tossed into the dumpster :-( Now they are safe from that evil fate but will shortly need new homes. Alas, the evil one who planned their demise, thought he had a live one when I asked, "How much?" From a ridiculous asking price of \$160 for the sad little pair, ("Full of rare tubes those are, Yep, very hard to get...") I eventually drive him down to an only overpriced settlement at \$60 for both. Having paid the evil one to save the impoverished, unwanted, poor little things from a fate far worse than death, (Having your good RF parts end up in audiophile service, \*is\* a fate worse than death in my book!) I brought the

very dirty pair home with me... :-)

The first is a Globe Hi-Bander model VHF-62, seems to be a 2 and 6 meter CW/AM transceiver.

The second a Globe Matcher Senior, model AT-4, antenna tuner.

First request is for manual copies, so I can clean both the poor things up and check them out.

Second request is for a proper BA home with other matching Globe equipment. If no such home should come forward, I'll lug them off to Shelby with me.

-Larry Ware  
lrware@pipeline.com  
Orlando, Florida

-----  
Date: Thu, 14 Aug 1997 16:50:08 -0700  
From: ross@hypertools.com (David Ross)  
To: boatanchors@sco.theporch.com  
Subject: FREE: RBA receiver & power supply  
Message-ID: <199708142359.QAA04713@kim.teleport.com>

BAFolks -

It's pretty beat up - good for parts though, and the price is right. You can pick it up at the Longview (Washington) swapmeet this Saturday morn.

73  
Dave Ross KA6EPI ross@hypertools.com

-----  
Date: Thu, 14 Aug 1997 16:50:11 -0700  
From: ross@hypertools.com (David Ross)  
To: boatanchors@sco.theporch.com  
Subject: SELL/TRADE: ATA Command Set parts  
Message-ID: <199708142359.QAA04736@kim.teleport.com>

BAfolks -

I've got an extra ATA dynamotor, an extra ATA 2TX rack and an extra SCR-274-N 2TX shockmount. I prefer interesting trades, but make an offer on any of it.

Will trade a nice working ARC-2 with shockmount for all three pieces.

73

Dave Ross      KA6EPI      ross@hypertools.com

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Date: Thu, 14 Aug 1997 20:44:53 -0700  
From: Al Klase <skywaves@bw.webex.net>  
To: arc5@ix.netcom.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ID Old Aircraft Radio  
Message-ID: <33F3D0B5.8D7@webex.net>

Dave and the Group,

This is probably, as you guessed, a BC-AR-230 or 430 (12 or 24 volts.)  
Front panel should be 6" high by 6.25". Set is just shy of 11" deep.  
Tubes on right side, plug-in coil "drawer" on left side. GF coils fit,  
not sure if they are ellectrically OK. Front panel has frequency-meter  
style 0-30 dial with 0-99 vernier and 1.5 amp RF ammeter. Sorry no  
schiz here, but could use one. Audio geeks have been sucking these up  
for the tubes.

Hpe this helps a little  
Al

arc5@ix.netcom.com wrote:

> This is an old 30's command radio, similar to the  
> GF and BC-230 series radios. Looks like a GF  
> transmitter, but uses two VT-52 (45) and two VT-25 (10Y)  
> tubes. Also a plug-in coil set. Some doo-fuss  
> pried the nomenclature plate off.  
>  
> Anyone know what radio it is and where I can get  
> a diagram?

--  
Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ  
  
-----



Date: Thu, 14 Aug 1997 18:46:39 -0700  
From: "Larry" <rau@wco.com>  
To: "boatanchors" <boatanchors@theporch.com>  
Subject: SB/HW XTALS  
Message-ID: <199708150048.RAA19316@shell.wco.com>

for the gent who wanted a 20 m xtal for his SB 301... one from any HW/SB series SSB tube rig will work.. looked in your transmitter ?

larry 707 874-1000

-----  
Date: Thu, 14 Aug 1997 20:59:23 -0400 (EDT)  
From: Andre Guibert <aguibert@sympatico.ca>  
To: boatanchors@theporch.com  
Subject: Settings for Loctals  
Message-ID: <199708150059.UAA09626@smtp1.sympatico.ca>

Bonjour

I thought that I was well equipped regarding tube testers but I cannot find settings for the following tubes: 14A7, 14B6, 14Q7 (loctals)

Tube testers: Hickok 534B

Marconi Can. MU101 (Seems to be a Stark) with a roll chart

Stark code 35G-15/12-22

Avo model 3 ,the needle vibrates madly at its settings

Anybody could help particularly with a Loctal list

A bientot

Andre

-----  
Date: Thu, 14 Aug 1997 21:15:06 -0400  
From: "Richard L. Duell" <rduell@iac.net>  
To: boatanchors@theporch.com  
Subject: Anyone Need an AS-69/AP  
Message-ID: <2.2.32.19970815011506.0069b6b0@iac.net>

I just picked up an AS-69/AP frequency meter. Strange looking bird. Approx 5" by 6" by 21" - black crackle - hinged slip off top. It is in pretty good shape except someone replaced the meter with what appears to be a Japanese military meter and hacked the hole to do it.

The unit is tuned by inserting a crank in one end and cranking what I'm guessing is a plunger in a cavity assembly. The drive is also coupled to a counter via a right angle drive. You position the antenna next to the circuit emitting RF and crank for max meter reading and then read the counter and consult a chart to determine the frequency. It covers 341 MC to 1000 MC in 1 MC increments. No interpolation.

There are three spare plug-in diodes and a frequency chart with it.

What in the world was this used with and does anyone need it to restore another one that is incomplete? If so, speak to me of trading a completely useless but fascinating piece of BA memorabilia or, if you must, something practical and useful.

Also, I have a Marcus and Marcus "Elements of Radio" second edition - fifth printing, Sept. 1950. 751 pages in very good shape with a mostly complete dust cover. This, in my opinion, is the most understandable radio primer ever published. If you are, or know of someone that is just starting to get involved with BAs and is looking for a basic theory book - this is it. I'd like to get \$25 plus shipping for it.

73, Rich - W5VDU

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Date: Thu, 14 Aug 1997 21:39:09 -0400 (EDT)  
From: DCrespy@aol.com  
To: boatanchors@theporch.com  
Subject: 5U4 rectifier sub  
Message-ID: <970814213852\_133093875@emout04.mail.aol.com>

Finished my SX-42.. works great.. looks great (although the cabinet color came out a little light.. tried a very dark gray instead of black satin).

Problem is, that I'm worried about the heat that the tubes on the right side of the chassis make. Especially the 5U4, as it is very close to the power transformer (which I'd like to preserve). Any ideas on a solid state (heresy??) substitution that would plug in for the tube with no other mods.. The obvious solution might be two diodes connected one each to each plate and then connected together to only one of the cathode pins. The remaining cathode pin would be left open ( and therefore the 5 volt winding would be "open"? )?

Comments?? to the list??

Harry KG5LO  
Saline MI

-----  
Date: Thu, 14 Aug 1997 19:07:24 -0700  
From: Reid Wheeler <reid@olywa.net>  
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>  
Subject: DX-60B Parts to Good Home  
Message-ID: <01BCA8E5.69E31C40@bart20.olywa.net>

I have an assortment of miscellaneous parts from a Heath DX-60B transmitter that I'd like to give to someone who might need them for a restoration. Parts include: 3-compartment full metal shielded coil cage w/RCA jack input; 1-1/4" dia by 4-1/2" long multi-tapped coil with stand-off lugs marked 40-644; 21uuF single-gang variable capacitor; three-gang main tuning variable capacitor; plate/grid milliamp meter; 7/8" dia by 2" multi-tapped coil (paper form - mounted on a rotary switch) marked 40-337; 925 mh coil on 1/2" dia by 2-1/2" ceramic core w/end mounting screw marked 45-41; 3 knobs - 1 gray 1-1/8" diam skirted and 2 - 1-9/16" diam black w/ white pointer.

This stuff is taking up valuable space . . . and my junk boxes are already too full! I'd estimate shipping to be about \$2 . . . . any takers? I don't want to split any of it out so it will all go to first person who agrees to cover my shipping. Please e-mail me direct at reid@olywa.net.

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Date: Fri, 15 Aug 1997 14:27:15 +1200  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: DCrespy@aol.com  
Cc: boatanchors@sco.theporch.com  
Subject: Re: 5U4 rectifier sub  
Message-ID: <33F3BE83.1B0D@vifp.monash.edu.au>

DCrespy@aol.com wrote:

>  
> Any ideas on a solid state  
> (heresy??) substitution that would plug in for the tube with no other mods..  
> The obvious solution might be two diodes connected one each to each plate and  
> then connected together to only one of the cathode pins. The remaining  
> cathode pin would be left open ( and therefore the 5 volt winding would be  
> "open"?)?

I don't think this is "heresy" (donning the fireproof underwear) but you

need to do it with consideration to ratings and circuit conditions. The total PIV of the diodes needs to be high enough for the circuit - you should use at least 3000 volts to replace a 5U4 so you will need 3 X 1000 PIV diodes in series (1N4007 I think). 1 amp diodes should be quite OK although larger ones are pretty cheap and give a larger safety factor. Some people also recommend 1 meg equalising resistors across each diode. You also need to put a resistor in series with the common cathode connection to compensate for the tube voltage drop and internal resistance. Something like 200 ohms or more with a suitably high power rating is needed. You should adjust the value to get the same voltage at the input to the B+ filter that you have with the 5U4. The resistor will get warm but you will have saved the 15 watts of filament heating power taken by the 5U4. Leaving the 5 volt winding open won't hurt anything at all, but don't forget it will be a few hundred volts above earth if it's still connected to the tube base.

I've done this to quite a few boatanchors over the years with no problems at all. If you build the diodes into an old tube base and install the dropping resistor carefully, the mod is easily reversible.

73 de Morris VK3DOC

-----  
Date: Thu, 14 Aug 1997 19:51:54 -0700  
From: Reid Wheeler <reid@olywa.net>  
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>  
Subject: DX-60B Parts Gone  
Message-ID: <01BCA8EB.994443A0@bart20.olywa.net>

I didn't take long - the 'bag o'parts' for the DX-60B  
have been spoken for.  
I'ts amazing - what a network!!  
Reid

-----  
Date: Thu, 14 Aug 1997 22:01:16 -0500 (CDT)  
From: Stefan A Schulz <sas1757@tntech.edu>  
To: boat anchors <boatanchors@sco.theporch.com>  
Subject: I'm Back!!!!!!  
Message-ID: <Pine.PMDF.3.95.970814215004.538995841B-100000@tntech.edu>

Dear BA gang,

I'm back from summer break and I have a mint- AN/GRC 109 set!!  
Thanks to a friend who I begged and pleaded with, I've got one!!! I works

great. The RX is really sensitive, but I have not tried the TX because I am not yet licensed. Over the summer I restored my R-390A set and it looks great :) I'm wanting to know does anybody know anything about the AN/GRR-5 receiver set? I've heard that they are cool and thought maybe somebody might have a tasty tidbit to add. Also I might have found a source for the dreaded 1U6 tube that is a direct replacement and is cheap to boot. I have not verified this but more later if I can find the source.

Good to be back,

BABABABABABABABABBABABABABABABABABABABABABABABA  
BA BA  
BA Stefan Schulz BA  
BA Tennessee Technological University BA  
BA Cookeville TN 38505-001 BA  
BA SAS1757@tntech.edu BA  
BA Biochemistry BA  
BA and BA BA  
BA BA  
BAB

Interests:  
regens, military radio, photography,  
and all that other related expensive stuff!

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Date: Fri, 15 Aug 1997 03:16:03 +0100  
From: "Larry Johnson" <k5yf@wt.net>  
To: "boatanchors" <boatanchors@theporch.com>  
Subject: Mercury Model 500 Component Substitutor  
Message-ID: <199708150303.WAA07567@pan.wt.net>

Anyone happen to have a manual and/or schematic for a Mercury Model 500 Component Substitutor? It's a resistance/capacitance box for checking substitution of values. Will pay cost of copy and ship. Thanks.

73 de Larry.

Larry Johnson  
1806 Haver  
Houston, TX 77006  
Internet: k5yf@wt.net

-----  
Date: Thu, 14 Aug 1997 22:37:24 -0700  
From: "Frank R. White" <frw@gvi.net>  
To: boatanchors@theporch.com  
Subject: FS: Tek Manuals  
Message-ID: <33F3EB14.7632@gvi.net>

Test Equipment Manuals -- mostly Tektronix -- all originals

Decided to dispose of my excess Tek manuals. All prices include shipping to the States. Overseas orders will need to add postage. I've tried to be fair in describing these manuals. Most of them are in fine shape.

Please reply via direct email.

73,

Frank  
W0BE  
frw@gvi.net

- 1.) Tektronix Type 535A / 545A Oscilloscope. This one has been heavily used. Some pages are coming loose from the binding and the back cover is missing. Doesn't seem to be any other pages missing. 1959 vintage. \$10.00
- 2.) Tektronix Type 545B Oscilloscope Manual Very Good condition. \$15.00
- 3.) Tektronix Type 585 Oscilloscope Manual. Good condition. \$15.00
- 4.) Tektronix Type 585 Parts List and Schematic Diagrams. (This seems to be published by Tek but like the title says, it only contains the parts list and schematic fold-outs. The blue color front & rear jacket covers are stapled together. Contains a few heavy pencil marks that could be erased; still very useable.) \$10.00

- 5.) Tektronix T921/T922/T922R Oscilloscope Manual. Very nice shape.  
\$15.00
- 6.) Tektronix Type B Plug-In Manual. Almost like new condition. \$8.00
- 7.) Tektronix Type CA Dual-Trace Calibrated Preamp Manual. Nice condition. \$10.00
- 8.) Tektronix Type CA Dual-Trace Calibrated Preamp Manual. Nice condition just like #7 above. \$10.00
- 9.) Tektronix Type D High-Gain, Differential Calibrated DC Preamp Manual. Included in the rear is a Tek Short Form Catalog for July, 1959 which illustrates scopes, plug-in units and accessories. Nice condition. \$10.00
- 10.) Tektronix Type G Wide-Band Differential Preamp Manual. The front and last inside pages have minor water stains, otherwise good condition. \$8.00
- 11.) Tektronix Type H Plug-In Preamplifier Manual. Included in the rear is a Tek Short Form Catalog for July, 1959 which illustrates scopes, plug-in units and accessories. This manual has been damp but is still in good condition. \$10.00
- 12.) Tektronix Type H Plug-In Manual. Very good condition. \$8.00
- 13.) Tektronix Type K Plug-In Manual. A note in the front section states that iAt earlier serial number ranges, the Type K was described as Type 53/54Kî. Nice condition. \$8.00
- 14.) Tektronix Type L Plug-In Manual. Very good condition. \$8.00
- 15.) Tektronix Type TU-1 and TU-2 Test Load Plug-In Unit Manual. A twelve page bound pamphlet; printed in 1960. Good condition. \$6.00
- 16.) Tektronix Type TU-7 Plug-In Test Unit Manual. Calibration aid for use with Tek 530, 540 or 550 series scopes. Nice shape. \$8.00
- 17.) Tektronix Type W Plug-In Unit Manual. Has a few technician notations but is in good condition. \$7.00
- 18.) Tektronix Type Z Plug-In Manual. Nice condition. \$8.00
- 19.) Tektronix Type 1A1 Plug-In Manual. Very nice condition. \$12.00
- 20.) Tektronix Type 1A2 Dual Trace Plug-In Unit Manual. Very nice

condition. \$12.00

21.) Tektronix Type 53/54D High-Gain, Differential Calibrated DC Preamp Manual. Printed January, 1957. Nice Condition. \$8.00

22.) Tektronix Type 53/54E Low-Level Differential AC Preamp Manual. Still has original mail-in card. Shows some signs of having been damp but in good condition. Included in the rear is a Tek Short Form Catalog for June, 1958 which illustrates scopes, plug-in units and accessories. \$9.00

23.) Tektronix Type 53/54G Wide Band Differential Preamp Manual. Minor water stains on inside front & rear pages; otherwise nice shape. \$7.00

24.) Tektronix Type 81A Plug-In Adapter Manual. 24 page bound pamphlet. \$7.00

25.) Tektronix Type 82 Dual Trace Plug-In Manual. Part of the outside spine has several missing sections but otherwise very good condition. \$8.00

26.) Monsanto Counter/Timer Model 1010 Manual dated 1966. Contains operating, theory, maintenance & schematics. Also is marked preliminary on inside front page. \$6.00

27.) Holt Instrument Laboratories Operating & Servicing Manual For Audio Voltage Standard Model 630A. Good Condition. \$6.00

28.) Wavetek Model 172B Programmable Signal Source Manual. Excellent condition. \$15.00

29.) Yaesu Musen Co YC-355D 200MHz Frequency Counter Instruction Manual (has nixes). Also has maintenance section with schematic. Nice condition. \$10.00

W0BE Want List:

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RAK Receiver and Power Supply  
R389 Receiver  
HR0 Senior

For Trade:

-----

Harris RF601A 1KW Antenna Coupler and Controller (like new)

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Date: Thu, 14 Aug 1997 23:44:52 -0700  
From: "Paul, K4MSG and/or Sandra, The BW" <bocks@erols.com>  
To: boatanchors@theporch.com  
Subject: R-4A for R-4 #727 (a shot in the dark)  
Message-ID: <33F3FAE4.1739@erols.com>

In 1964, I purchased Drake R-4 serial #727 new from Allied Radio.  
In 1979 or so, I sold it (like a damn fool) to a ham from  
Fredericksburg, VA (don't remember who he was).

That R-4 traveled with me on the USS BELMONT (AGTR-4) to South America, the Pacific, Africa, etc. It rode out many a storm at sea and even endured the famous "earthquake incident" off of Peru. It is easily identifiable by the serial number, and because the knob has a "homemade" indent in the main tuning knob for use as a "spinner" (made with a rotary deburring tool on an electric drill).

I have a beautiful R-4A, 100% functional, in truly excellent condition with a flawless case and front panel, which has been recapped and realigned. I will swap it \*EVEN\* for the old R-4 #727, regardless of the latter's condition.

Is there a taker out there?

73,

Paul, K4MSG

-----  
Date: Tue, 29 Jul 1997 00:15:16 -0700  
From: Tom Clarke <fclarke@erols.com>  
To: boatanchors@theporch.com  
Subject: BA gem  
Message-ID: <33DD9884.3F47@erols.com>

A curious and wonderful thing happened today at work. One of the labs on the base where I work was cleaning out some excess "stuff" and the lab tech said to one of the members of our club to come get what we want or it will go to the dumpster. Well, we picked up all sorts of things like a 40# roll of #10 Formvar wire, some nifty shielded 4 pair wire, a bunch of Lambda regulated power supplies including a couple of 0 to 30 volt 15 amp regulated jobs (takes 2 men and a small boy to carry it) and of course a 75A4. WHAT??? Yep there it was on the shelf for the taking, a beautiful condition 75A4, all three filters and the big knob! What a stroke of luck, now if we only had not gotten rid of the KWS-1 years ago!! W3PQT/K3NAL is now the proud owner of this gem. Maybe the

Navy has a KW-1 tucked away somewhere! I really must follow the open line feeders from the big Rhombic and see where they go!!! There is an old buidling that the feeders seem to go towards. Hmmm?

This has given me impetus to fix that Ranger in the garage and get Southern MD up on AM. This is almost as good as having my own A4! Well at least I can play with it and others can enjoy it also during our lunch gettogethers at the W3PQT club station.

Now for a question. This particular radio seems to have been a special order unit as the bandswitch is marked 80-40-20-4.7-13.5-5.2-10. The markings are engraved on a circular plate around the bandswitch and are probably original. There is no obvious "hacking" inside and the wiring is consistent underneath. Any one on the net have any ideas on this mod?

The guys at the lab said it had been there for years and only was used occasionally to monitor WA3NAN Space Shuttle rebroadcasts and an occasional time hack/news bcst from the beebies (BBC). Also the drum calibration is of a consistent font and color on all bands and not a cobbled up, typed, paste on thing.

73 de Tom, W4OKW  
fclarke@erols.com

-----  
Date: Tue, 29 Jul 1997 00:24:54 -0700  
From: Tom Clarke <fclarke@erols.com>  
To: boatanchors@theporch.com  
Subject: BA spotted  
Message-ID: <33DD9AC6.6A1C@erols.com>

While visiting the Yankee Air Museum at Willow Run Airport in Ypsilanti (Detroit) Michigan I spotted a Globe King in a display purported to be a WW II radio shack at a B-24 base. There were some other odds and ends including a BC-221, etc and a companion receiver perched on top of the Globe King. I was so enamoured by the TX I don't even recall the receiver!!

This is a rather nice museum with a lot of memorablilia about B-24s, as thousands of them were produced at the Ford plant at the field. They have a beautifully restored and flying B-17 and many other display aircraft. The only incongruity in the place is the presence of a "buff"(B-52) painted all black in the outdoor display area. Unfortunately their display B-24 is not a Willow Run produced aircraft, but they are still looking.

Perhaps someone can give us a better report on the Globe King and Receiver. It would be worth the visit even if you are not an airplane nut!

73 de Tom, W4OKW  
fclarke@erols.com

-----  
Date: Thu, 14 Aug 1997 23:52:24 -0700  
From: Glenn Finerman <glennfin@worldnet.att.net>  
To: Boatanchors List <boatanchors@theporch.com>  
Subject: Hamfest Alert.  
Message-ID: <33F3FCA8.565E@worldnet.att.net>

Great Hamfest this weekend folks! The Ramapo Mountain Amateur Radio club Hamfest, otherwise known as the Oakland Hamfest. On Saturday August 16th. Oakland NJ, right off RT 202. 8am till 12 noon. Open for vendors at 6am. Talk-in on WA2SNA/R 147.490in/146.49out, 441.175in/446.175out. About 35 mins. NW of NYC, this has always been a great Hamfest for Boatanchors. Hope to see some of the list members there. Maybe we can setup a time to meet? I'll be proudly wearing my Collins tee shirt. As always, I'll post a report here after the 'fest on BA's spotted, prices, etc.....

--  
73.....Glenn N2BJG    glennfin@worldnet.att.net

Owner/operator of the N2BJG 10 meter beacon = 28.219 Mhz.  
(24hrs a day, 7 days a week) Please QSL!!!

-----  
Date: Fri, 15 Aug 1997 00:25:09 -0400  
From: Ed Tanton <n4xy@bellsouth.net>  
To: boatanchors@theporch.com  
Cc: qrp-1@Lehigh.EDU  
Subject: Huntsville (AL) Hamfest  
Message-ID: <3.0.1.32.19970815002509.00a64370@mail.atl.bellsouth.net>

Hi folks... I will be at the Huntsville Hamfest this weekend and would like to meet anybody who wants to chat about my two favorite subjects: QRP and Boat Anchors. I'll be staying at the Hilton, registered in my name. Give me a buzz if you get the chance. Anyone from either group with a table, pls email me before lunch tomorrow and I'll look for it. Thanks!

Ed Tanton    N4XY                      EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA    30068-3466          TEL: (770)579-3933 V/MBX/FAX

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

End of BOATANCHORS Digest 1621  
\*\*\*\*\*

>From ???@??? Fri Aug 15 22:37:34 1997  
>Message-Id: <199708152204.RAA06002@sco.theporch.com>  
>Date: Fri, 15 Aug 1997 17:04:36 CDT  
>Subject: BOATANCHORS digest 1622

Topics covered in this issue include:

- 1) Re: 5U4 rectifier sub  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 2) Help! DX-60B part!!!  
by Bill Meara <wmeara@erols.com>
- 3) WYB Manual  
by jackiv@juno.com (John M Iverson)
- 4) Re: 5U4 rectifier sub  
by laffitte@prtc.net (laffitte)
- 5) WW-II manuals and misc. for trade  
by Mike Warren <m\_warren@compuserve.com>
- 6) Re: 811-A Test notes  
by Dexter Francis <cwest@xmission.com>
- 7) Re: BOATANCHORS digest 1620  
by Dexter Francis <cwest@xmission.com>
- 8) Re: BOATANCHORS digest 1621  
by Dexter Francis <cwest@xmission.com>

- 9) from rec.radio.swap...Collins gear forsale  
by Terry Burge <terrybu@netman.ENS.TEK.COM>
- 10) Hollow State Newsletter  
by k5jv@vonl.com (Lon W. Cottingham)
- 11) Hollow State Newsletter  
by "Mike O'Brien" <mobrien@lib.drury.edu>
- 12) TV-2\* variations  
by dlr11@scasd.k12.pa.us (Douglas Ripka)
- 13) SX-42 adn 5U4 substitution  
by Scott Robinson <spr@earthlink.net>
- 14) Ware's Globe Gear  
by "Larry" <rau@wco.com>
- 15) Re: The Great Alcatraz Transmitter Bustout  
by "Thomas A. Adams" <103360.2133@CompuServe.COM>
- 16) Re: receiver question  
by "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
- 17) Re: BOATANCHORS digest 1618  
by Jderm740@aol.com
- 18) DFW BA shopping Sat.  
by MNHopkins@aol.com
- 19) RE: The Great Alcatraz Transmitter Bustout  
by jproc@bellglobal.com (Jerry Proc)
- 20) WTB: Power transf for 51S1(F)  
by John Poulton <jp@cs.unc.edu>
- 21) Heath Audio Analyzer  
by David Meitzen <hdmeitzen@champion.aclic.com>
- 22) Fw:Globe AT-4 tuner  
by "Larry" <rau@wco.com>
- 23) Ballasts and an unusual tube  
by "Ornitz, Barry" <ornitz@eastman.com>
- 24) Breting 12 question.  
by JESelkregg@aol.com
- 25) Tube ID help needed  
by David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>
- 26) Re: TV-7 D/U is lying to me  
by bdhall@ghg.net (Benjamin D. Hall)
- 27) Re: Tube ID help needed  
by Ken Gordon <keng@uidaho.edu>
- 28) Re: TV-7 D/U is lying to me  
by John Shriver <jas@shiva.com>

---

Date: Fri, 15 Aug 1997 05:16:17 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: DCrespy@aol.com, boatanchors@theporch.com  
Subject: Re: 5U4 rectifier sub  
Message-ID: <19970815051611.AAB29525@LOCALNAME>

At 01:39 AM 8/15/97 +0000, you wrote:

>Finished my SX-42.. works great.. looks great (although the cabinet color  
>came out a little light.. tried a very dark gray instead of black satin).

>

>Problem is, that I'm worried about the heat that the tubes on the right side  
>of the chassis make. Especially the 5U4, as it is very close to the power  
>transformer (which I'd like to preserve). Any ideas on a solid state  
>(heresy??) substitution that would plug in for the tube with no other mods..  
>The obvious solution might be two diodes connected one each to each plate and  
>then connected together to only one of the cathode pins. The remaining  
>cathode pin would be left open ( and therefore the 5 volt winding would be  
>"open"?)?

>

>Comments?? to the list??

>

>Harry KG5LO

>Saline MI

>

If you do this (sub diodes for the 5U4), be sure to put a limiting resistor  
in each anode lead (ex-plate lead). It will be a low value like 22 or 47 or  
maybe 100 ohms.

The idea is to:

- 1.) Wind up with the SAME B+ you did with the tube, and
- 2.)To protect the power transformer if the diodes short! (Shorted solid  
state diodes  
can smoke a power transformer quick!)

You can make it up in an old octal tube base and just plug it into the  
socket as a  
"sub" for the tube! Connect the diode cathodes to the filament pin that  
goes to the positive terminal of the filter capacitor!

If you omit the resistors (whose value you will have to determine by calculation  
and experiment) you also run the risk of blowing the electrolytic filter  
caps. from  
increased voltage. (Which will make everthing run hotter and defeat your  
purpose  
of 'going solid state' for the rectifier.)

73

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

**\*\*Looking for: Hallicrafters SR-75 Transceiver\*\***  
**\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\***

-----  
Date: Fri, 15 Aug 1997 05:46:14 -0400  
From: Bill Meara <wmeara@erols.com>  
To: boatanchors@theporch.com  
Subject: Help! DX-60B part!!!  
Message-ID: <199708150948.FAA26731@smtp3>

I'm looking for a part for my DX-60B. I recently saw Reid's kind offer of a bag of parts for this rig, and my "much needed" item was on the list. Right now my DX-60B is stuck permanently on 40 meters. This is due to the absence of a proper driver plate coil. The original was apparently removed by some deranged previous owner bent on putting this rig on 6 meters or 10Ghz or one of those other wierd frequencies. Anyway, I put in a coil that resonates on 40, but I'd like to get this nice rig back to original shape. I'm hoping to persuade the guy who got Reid's parts (or some other sympathetic anchorologist) to provide me with:

7/8" dia by 2" multi-tapped coil (paper form - mounted on a rotary switch) marked 40-337

Thanks,

73 de N2CQR  
Bill Meara, Falls Church, Virginia  
wmeara@erols.com  
<http://www.mindspring.com/~johnmb/billm.htm>

-----  
Date: Fri, 15 Aug 1997 04:58:14 CDT  
From: jackiv@juno.com (John M Iverson)  
To: <boatanchors@sco.theporch.com>  
Subject: WYB Manual  
Message-ID: <19970815.053444.3414.0.jackiv@juno.com>

I need a manual for a Tempo One. Any help will be appreciated, will pay for the copy and shipping. USPS of course,  
Jack Iverson jackiv@juno.com reply direct 73 60067 area

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Date: Fri, 15 Aug 1997 07:20:22 -0300  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: Re: 5U4 rectifier sub  
Message-ID: <33F42D66.39F9@prtc.net>

Sandy W5TVW wrote:

>  
> At 01:39 AM 8/15/97 +0000, you wrote:  
> >Finished my SX-42.. works great.. looks great (although the cabinet color  
> >came out a little light.. tried a very dark gray instead of black satin).  
> >  
> >Problem is, that I'm worried about the heat that the tubes on the right side  
> >of the chassis make. Especially the 5U4, as it is very close to the power  
> >transformer (which I'd like to preserve). Any ideas on a solid state  
> >(heresy??) substitution that would plug in for the tube with no other mods..  
> >The obvious solution might be two diodes connected one each to each plate and  
> >then connected together to only one of the cathode pins. The remaining  
> >cathode pin would be left open ( and therefore the 5 volt winding would be  
> >"open"?)?  
> >  
> >Comments?? to the list??  
> >  
> >Harry KG5LO  
> >Saline MI  
> >  
>  
> If you do this (sub diodes for the 5U4), be sure to put a limiting resistor  
> in each anode lead (ex-plate lead). It will be a low value like 22 or 47 or  
> maybe 100 ohms.  
>  
> The idea is to:  
> 1.) Wind up with the SAME B+ you did with the tube, and  
> 2.)To protect the power transformer if the diodes short! (Shorted solid  
> state diodes  
> can smoke a power transformer quick!)  
>  
> You can make it up in an old octal tube base and just plug it into the  
> socket as a  
> "sub" for the tube! Connect the diode cathodes to the filament pin that  
> goes to the positive terminal of the filter capacitor!  
>  
> If you omit the resistors (whose value you will have to determine by calculation  
> and experiment) you also run the risk of blowing the electrolytic filter  
> caps. from  
> increased voltage. (Which will make everthing run hotter and defeat your  
> purpose



> of 'going solid state' for the rectifier.)  
>  
> 73  
> E. V. Sandy Blaize, W5TVW  
> "Boat Anchors collected, restored, repaired, traded and used!"  
> 417 Ridgewood Drive,  
> Metairie, LA., 70001  
> ebjr@worldnet.att.net  
> \*\*Looking for: Hallicrafters SR-75 Transceiver\*\*  
> \*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

On the solid state modification for substituting the 5U4 I would say that in my opinion it leaves the power transformer in even more danger from a shorted diode. In addition, the power up now will provide for almost instantaneous application of B+ to the plates even before the tubes have time to warm up (not good for the tubes). A more simple solution is to blow some cool air from a small fan to keep the transformer cooler and keep all the glowplugs in there, no sandboxing. I wonder if there is some material that could be placed between the transformer and tube to keep things cooler. Any ideas?

TNX and 73s  
Guido E. Santacana KP4FAR  
BA collector in the tropics  
San Juan, Puerto Rico

-----  
Date: Fri, 15 Aug 1997 08:22:27 -0400  
From: Mike Warren <m\_warren@compuserve.com>  
To: BOATANCHORS List <BOATANCHORS@sco.theporch.com>,  
Glowbugs list <glowbugs@www.atl.org>  
Subject: WW-II manuals and misc. for trade  
Message-ID: <199708150822\_MC2-1D34-209F@compuserve.com>

=

Hi Gang,

I'm planning to build a push-pull 813 rig ("Big Bertha" clone) to use this winter on 80/40 and can use most anything in the way of parts. I have the bottles, sockets, RFC, variable cap, meters and cabinet, but not much else. I need chassis, standoff insulators, insulated shaft couplings, output tank coil, etc. I can also use 80/40 meter rocks.

I have some well-worn (and yellowed) WW-II manuals and a couple of other items for trade.

1. War Department Education Manual EM962, "Principles and Practice of Radio Servicing", by H. J. Hicks, copyright 1939, 1943, McGraw-Hill.
2. War Department Technical Manual TM11-455, "Radio Fundamentals", War Department - 22 May 1944. ("Restricted")
3. War Department Technical Manual TM11-467. "Radar System Fundamentals", War Department - 28 April 1944. ("Confidential")
4. U. S. Navy Dynamic Desk Microphone, type NT-51051, new. in original (ratty) box. Includes nice chrome stand and what must be a 20' cord.
5. U. S. Navy 0-9 Amp RF Amp meter, type NT-33, new, in original box. Made by Westinghouse. Other markings on box: PH-38700-26; N-809245; 120867; CIR.N288S-5296; REQ.5858 AERO/42. Meter is round, black and marked U.S.N.=2E  
Type CAY-22239-A, 25 CY. to 20 MC.
6. Complete set of 1945 QST (12 issues). One entire issue devoted to USN= Operations. Lots of 'euphoria' about getting back on the air, call area changes, new frequencies, etc.

Anybody interested in these items?

73,

Mike Warren - W5MAZ (in MN)

++++  
+ Looking for a Hallicrafters HT-31 Amp. +  
++++

-----

Date: Thu, 14 Aug 1997 09:18:09 -0600  
From: Dexter Francis <cwest@xmission.com>  
To: boatanchors@theporch.com  
Subject: Re: 811-A Test notes  
Message-ID: <33F321AA.81D9E2B9@xmission.com>

Jim (K4CGY) correctly observes: "Be very careful with any tube tester if you do this. The 809 requires 2.5A fil current and the 811 4A. I

question if the testers can supply this much current for filaments. You risk burning out the transformer in the tube tester."

I ran into this problem with my Hickock 752 when testing 813's. (A sure clue that I was getting too close to the edge was the brilliantly glowing line fuse lamp!) The 813 draws 5 amps @ 10 volts. The 752 could only supply a fraction of that current on the 10 Volt filament setting. The result was the filament voltage was down around 6, which led to very low gm readings on otherwise good tubes. (I'd made up a pigtail adapter to go from the octal socket on the 752 to a septar for the 813.)

I need to test big tubes, so I made up a variable external filament supply. It's just a 12 Volt, 6 Amp transformer with a variac. This feeds the 752 via a pair of small banana posts. It can be switched in or out of the filament supply circuit. If you choose to do this, be careful about phasing. If the external transformer is "backwards" it won't work properly.

This may be redundant, but the 811 specs are:

Filament - 6.3 V @ 4 amps.

Amplification factor: 160, with -1 Volts on the grid and 20 ma. thru the plate.

good hunting!

-df

p.s. note the new e-mail address. I've changed day jobs, ISP's and e-mail addresses all in one fell swoop. Whew!

-----  
Date: Thu, 14 Aug 1997 09:18:23 -0600  
From: Dexter Francis <cwest@xmission.com>  
To: boatanchors@theporch.com, wa6jox@rain.org  
Subject: Re: BOATANCHORS digest 1620  
Message-ID: <33F321B7.E9A788DC@xmission.com>

The 316A is an all glass doorknob UHF triode. 2 Volt ,3.6 amp filament, good for about 30 watts and up to 600 MHz. It was used in BC-645's and T-13/APN-5's and as a local oscillator in some radar sets. (AES wants about \$32 for one!)

-df

-----  
Date: Thu, 14 Aug 1997 09:18:50 -0600  
From: Dexter Francis <cwest@xmission.com>  
To: boatanchors@theporch.com, arc5@ix.netcom.com  
Subject: Re: BOATANCHORS digest 1621  
Message-ID: <33F321D3.3905A7F9@xmission.com>

arc5@ix.netcom.com wrote:

> This is an old 30's command radio, similar to the  
> GF and BC-230 series radios. Looks like a GF  
> transmitter, but uses two VT-52 (45) and two VT-25 (10Y)  
> tubes. Also a plug-in coil set. Some doo-fuss  
> pried the nomenclature plate off.

Hang on to those VT-52's. The glass audio crowd has driven the price  
thru the roof.  
(\$100 + ea.!).

-DF

-----  
Date: Fri, 15 Aug 1997 08:43:08 PDT  
From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
To: boatanchors@theporch.com  
Cc: terrybu@netman.TEK.COM  
Subject: from rec.radio.swap...Collins gear forsale  
Message-ID: <9708151543.AA28590@netman.ENS.TEK.COM>

Spotted this on r.r.s and it may be of interest to those 'rare' collectors  
of collins gear. Check out this fellow's web site for the details.

Terry  
KI7M

-----  
<http://www.transend.com.tw/~joentam/forsale.htm>

Collins, 2 KWM-2's, two S-lines, others

-----  
Date: Fri, 15 Aug 1997 10:47:43 -0500  
From: k5jv@vonl.com (Lon W. Cottingham)  
To: BASWAPLIST <baswaplist@foothill.net>  
Cc: steven@ix.netcom.com, Cliff\_White@dell.com, boatanchors@theporch.com  
Subject: Hollow State Newsletter  
Message-ID: <33F47A1F.1F27@vonl.com>

Greetings to all,

Subscription and back issues of Hollow State Newsletter can be obtained  
for the current editor:

Ralph Sanserino  
P.O. Box 1831  
Perris, CA 92572-1831  
sanser@pe.net

--

73 de Lon, K5JV

-----  
Date: Fri, 15 Aug 1997 11:07:00 -0500 (CDT)  
From: "Mike O'Brien" <mobrien@lib.drury.edu>  
To: boatanchors@theporch.com  
Subject: Hollow State Newsletter  
Message-ID: <199708151607.LAA31050@lib.drury.edu>

Lon Cottingham wrote:

> Subscription and back issues of Hollow State Newsletter can be obtained  
> from:

>  
> Ralph Sanserino  
> P.O. Box 1831  
> Perris, CA 92572-1831  
> sanser@pe.net

The above info is correct. In addition, to save a query to Ralph, know that  
the current price for all 41 back issues is \$25 (postpaid), and a four-issue  
subscription is \$5.

73, Mike, KOMYW

-----  
Date: Fri, 15 Aug 1997 12:38:37 -0400  
From: dlr11@scasd.k12.pa.us (Douglas Ripka)  
To: Dennis Gibbs <dgibbs@Rational.COM>  
Cc: Boatanchors@sco.theporch.com  
Subject: TV-2\* variations  
Message-ID: <199708151639.MAA29578@scasd.k12.pa.us>

Hi Dennis,

According to my manual, labeled "internal differences in Models",

"On the TV-2B/U and TV-2C/U, an antiparasitic ferrite bead is attached to one of the leads going to each terminal of the test sockets to prevent the tube under test from oscillating. On the TV-2/U, resistor R1 is 250 ohms; on TV-2A/U, TV-2B/U, and TV-2C/U, R1 is 300 ohms. On the TV-2C/U, resistors R24 and R25 are connected differently to transformer T2. Refer to figure 26."

Hope this helps, the changes mostly seem pretty minor.

73

Doug

-----  
Date: Fri, 15 Aug 1997 09:50:05 -0700  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Subject: SX-42 adn 5U4 substitution  
Message-ID: <33F488BD.B9B31ECB@earthlink.net>

Harry and other folks,

Harry wrote:

Finished my SX-42...

Problem is, that I'm worried about the heat that the tubes on the right side of the chassis make. Especially the 5U4, as it is very close to the power

transformer (which I'd like to preserve). Any ideas on a solid state (heresy??) substitution that would plug in for the tube with no other mods..

The obvious solution might be two diodes connected one each to each plate and then connected together to only one of the cathode pins. The remaining cathode pin would be left open ( and therefore the 5 volt winding would be "open"?)?

You can do this, but first:

- 1) use the cathode pin that goes to the filter caps so DC won't be going through the filament winding;
- 2) Put a suitable power resistor in series with the cathode to keep the B+ at the same level as before.
- 3) You'll need two 1N4007 diodes in series with equalizing resistors for each side of this.

This change will remove 15 watts of heat (5V and 3 amps, the 5U4 filament power) from your SX-42.

Regards,

--

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----

Date: Fri, 15 Aug 1997 10:47:25 -0700  
From: "Larry" <rau@wco.com>  
To: "boatanchors" <boatanchors@theporch.com>  
Subject: Ware's Globe Gear  
Message-ID: <199708151649.JAA13105@shell.wco.com>

Larry... I am up to my ass in alligators...so haven't the time to make you a manual copy right away for the AT-4 matcher.. here is the dope on it... it is a fixed link tuner, not particularly efficient.. it matches the globe king and globe champ transmitters. The SWR bridge built in is not particularly accurate...it does not cover 160 meters. Rated 350 watts AM phone ( eg output of globe king)

They do work, and i have one here I use to feed and end feed long wire. The

circuit is so simple that what you see is what you get.

The Hi-Bander is was marketed as 60 w c.w. 50 w AM input Transmitter ( not  
transceiver) for 6 & 2 meters original cost \$ 149. factory only.  
VFO 6-2 8-9 meg output , built in power supply and " sideband stability"  
\$ 59.95 factor \$ 49.95 kit

Larry W6WUH

-----  
Date: 15 Aug 97 13:34:36 EDT  
From: "Thomas A. Adams" <103360.2133@CompuServe.COM>  
To: "INTERNET:boatanchors@theporch.com" <boatanchors@theporch.com>  
Subject: Re: The Great Alcatraz Transmitter Bustout  
Message-ID: <970815173435\_103360.2133\_JHL67-1@CompuServe.COM>

An APACHE??? It's not WORTH a commando raid or PBX sortie to bust it outa the  
bighouse!

It don't even cover 160! <g>

I had an Apache once, and wound up GIVING it away, just to get the damned thing  
outa my sight!

Performance-wise, it's a pretty good rig; juat a DX-100 dressed up in a new paint  
job, with a few extra bells and whistles (ie, the addition of an audio  
processor).

Mechanically, it's a horror.

That drum dial and pointer mechanism is the hassle. No matter what I did, the  
stupid thing would come unstrung about once a week. Restrunging it requires  
dropping the front panel; a major pain in the tuchus if there ever was one.

Mine had a pretty good fate tho. A buddy of mine, Ron, WA9RHU (Red Hot  
Underwear) had a DX-100B that was being fixed for 160 AM, and was in dire need  
of replacement plate and modulation transformers. The Apache from Hell gave it's  
all as a donor (SAME part numbers as the DX-100B's blown stuff).

Ron, where are you today? And does your 160 AM signal still grace the south side  
of Chicago?

73's,



Tom, K9TA

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Date: Fri, 15 Aug 1997 13:04:04 -0500  
From: "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>  
To: boatanchors@theporch.com  
Subject: Re: receiver question  
Message-ID: <3.0.32.19970814195158.007eab10@postoffice.worldnet.att.net>

At 07:00 PM 8/14/97 +0000, you wrote:

>> I have my eye on a BA receiver - a rackmount E.H. Scott RCH. tunes 90KC  
>> to 23MC in 5 bands. It has been sitting unused in a rack here at work  
>> and I am trying to convince the dept head there that they don't need it.  
>>

>> Is this one of the famous troop entertainment receivers? Anyone familiar  
>> with it?

>

>No, it is not, but it is related. The standard shipboard entertainment  
>receiver for the U.S.Navy was the RBO series.

>

>I have one, and I am not very impressed with it. The "real" fleet receivers  
>(RAA/RAB, RAK/RAL, RBA/RBB/RBC) are far better.

>

>William Donzelli  
>william@ans.net

I have the RBO reciever in my collection.

3 bands. AM broadcast plus shortwave in 2 bands from 5 to 18 mhz if I  
remember right.

Have to look at the dial to be sure. Big I. F. cans inside and no BFO for CW.  
Used it a lot in my teens until I got my R390A.

Of course that was the mid 1970's to about 1984.

Still listen to the old RBO every once in a while...

Robert M. Bratcher Jr.

E-mail to: (modified to foil spammers)

bratcher at worldnet dot att dot net

Record collector, 8mm, super 8, 16 and 35mm Film collector.

Looking for prerecorded reel to reel tape albums.

I like old radio's too.

Collins, Hallicrafters, National & Hammurlund are my Favorites!

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Date: Fri, 15 Aug 1997 14:10:52 -0400 (EDT)  
From: Jderm740@aol.com

To: boatanchors@theporch.com  
Subject: Re: BOATANCHORS digest 1618  
Message-ID: <970815141023\_109777484@emout16.mail.aol.com>

The real "Gooney Birds".

The real gooney birds were not radios or airplanes but Albatross. They were native to Guam and were hardly known to anyone until WWII. At that time many GIs were sent there and airfields were built to aid the war effort. This presented a problem for the birds. The albatross nests on Guam and when it's young are ready to go off on their own they leave the island for about a year or until the next nesting urge arrives.

During that time they land only on water to rest and what happens is their legs become weak. And this is a large bird. Between an eagle and a swan in size.

Before the airfields were built they would land in the lagoons and waddle ashore and begin their nesting period. After the landing strips were built the birds would try to land on dry land. A maneuver they had never mastered. The result was hilarious to the bystanders. The birds came in too fast, didn't flare out and hit the runway way over speed. They went ass over teakettle for many feet. They would pick themselves up, very confused and stagger off to the grass area nearby.

They got their nickname from the GIs stationed there who wrote home telling their families about them. Declaring them to be the gooniest birds they had ever seen.

If you came from Kansas or Iowa, you definitely never saw anything like these before.

The name got transferred to the C47/ DC3 because, as good as they were their takeoffs and landings could be a sight to behold. SCAREY.

Jack Jderm740@aol.com

-----  
Date: Fri, 15 Aug 1997 14:29:46 -0400 (EDT)  
From: MNHopkins@aol.com  
To: Boatanchors@theporch.com  
Subject: DFW BA shopping Sat.  
Message-ID: <970815142712\_721235328@emout15.mail.aol.com>

Travelers and Dallas-Fort Worth area residents might want to check out Saturday's 0800-noon open air sale at the Vintage Radio and Phonograph Society (VRPS). The event is held in Irving, Tx, home of the Dallas Cowboys, at a city park called Senter East off Shady Grove Road.

VRPS is an Atwater-Kent type of organization that grudgingly tolerates some ham members, but tomorrow's meeting is pulling in stuff from all over Southwest. One Oakie is bringing me an unfinished Frank Jones 5 Meter one tube Transceiver kit from 1934, and receivers of all sorts always abound. In

the past big amp parts and vintage spares have also been seen.

VRPS types also more polite than the usual back-of-the-pickup hamfest hams.

de ab5l, michael in dallas, MNHopkins@AOL.com  
Still holding world's largest collection of International Crystal STP-50s  
(three)

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Date: Fri, 15 Aug 1997 14:30:27 -0700  
From: jproc@bellglobal.com (Jerry Proc)  
To: Old Tube Radios <boatanchors@theporch.com>,  
      "'103360.2133@CompuServe.COM'" <103360.2133@CompuServe.COM>  
Subject: RE: The Great Alcatraz Transmitter Bustout  
Message-ID: <01BCA987.CA19D160@jporc.bellglobal.com>

>An APACHE??? It's not WORTH a commando raid or PBY sortie to >bust it =  
outa the bighouse!=20

The one that I owned had an additional feature that Heathkit didn't =  
document. It made a good, slow, sweep generator since it used to drift =  
up and down the band +/- 1 kHz. :-)

Regards,  
Jerry Proc  
jproc@bellglobal.com

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Date: Fri, 15 Aug 1997 14:57:03 -0400 (EDT)  
From: John Poulton <jp@cs.unc.edu>  
To: boatanchors@theporch.com  
Subject: WTB: Power transf for 51S1(F)  
Message-ID: <199708151857.0AA12316@mira.cs.unc.edu>

Just bought a very nice 51S1F (thanks, Ray!). Nice, that is, except  
for a blown power transformer. Before looking over the rig, I had  
had thoughts of having the xfmr rewound, but the xfmr case is bulging  
out in an ominous way, so this doesn't seem like a winning strategy.

Does anyone out there happen to have a 'junker' 51S1 who'd be willing  
to part with a power transformer? The item is

Collins part no. 662-0002-00

Stancor part no. 30400 (according to the manual)  
Freed part no. 37558 (the actual xfmr in the rig)

Other thoughts include replacing this with a (presumably) more common xfmr from an S-line amateur receiver, but this will, at the very least, require rewiring the filament supply system, as the 51S1 is set up for 26-28 volt operation, with a weird and wonderful series/parallel arrangement of tube filaments. I have also not yet checked to see if the output voltages of the 51S1F's power transformer is compatible with other S-line xfmr's. If anyone out there has done such a conversion, I'd love to hear about how it went.

Thanks much!  
John Poulton KF4OZY

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Date: Fri, 15 Aug 1997 14:16:31 -0500  
From: David Meitzen <hdmeitzen@champion.aclic.com>  
To: boatanchors@theporch.com  
Subject: Heath Audio Analyzer  
Message-ID: <33F4AB0E.708F@aclic.com>

I picked this up at a fest. Nice looking unit but no model number just the name Heath Audio Analyzer. I am looking for a manual. Any help will be appreciated.  
Best Regards  
Dave

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Date: Fri, 15 Aug 1997 13:18:21 -0700  
From: "Larry" <rau@wco.com>  
To: "boatanchors" <boatanchors@theporch.com>  
Subject: Fw:Globe AT-4 tuner  
Message-ID: <199708151920.MAA29519@shell.wco.com>

-----  
> From: Larry <rau@wco.com>  
> To: Greg Anders <anders@autopsy.csd.sgi.com>  
> Subject: Re: Ware's Globe Gear  
> Date: Friday, August 15, 1997 1:15 PM  
>  
> well my globe champs with virtutally the same tank circuit as the king  
> would work fine into my end fed long wire..( very lo-Z )using a small  
> dentron super tuner... and before that a small ten tec.... it's just that

> the fixed link AT-4 can't resonate at 160m.. wasn't designed to do it.  
> period.  
>  
> I'm sure there are plenty of open wire feeder designs that make sense on  
> 160 and will work fine...but yes the balance /unbalanced problems are  
> there...  
>  
> I don't plan to use my At-4 even if i do score a King.  
>  
> larry

-----  
Date: Fri, 15 Aug 1997 16:24:56 -0400  
From: "Ornitz, Barry" <ornitz@eastman.com>  
To: "'boatanchors@sco.theporch.com'" <boatanchors@sco.theporch.com>  
Cc: "'ornitz@tricon.net'" <ornitz@tricon.net>  
Subject: Ballasts and an unusual tube  
Message-ID: <c=US%a=\_%p=Eastman%l=NTD150-970815202456Z-6989@ntd150.kpt.emn.com>

This morning, a friend brought me two ballast tubes he found in some old industrial equipment. They are Amperite 55-4 with a 4-pin base. Does anyone have the specs for these?

He also brought me a rather unusual tube. All I can read of the number is Sylvania C???. It appears to be some sort of flash tube or arc tube as it has a plate(?) with a round hole in the end and a center cathode(?) that appears to be a piece of tungsten about 1/8" in diameter aligned with the end of the hole. The envelope is shaped like an old 6L6 except the top is flat. I suspect it may have been used for high speed photographic work as the plate(?) is rather burnt and there are droplets of metal sputtered on the envelope and plate. The hole in the plate appears a little "eaten away" along the edges. Any ideas here?

My friend said he will send me more equipment to scavenge next week. I know some of it was used with high speed photography. From his description, some of this stuff may have built by Edgerton himself! [For those who do not know, Harold Edgerton is the inventor of the electronic flash and strobe, side looking sonar, and lots of other things.]

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

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Date: Fri, 15 Aug 1997 16:51:09 -0400 (EDT)  
From: JESelkregg@aol.com  
To: boatanchors@theporch.com  
Subject: Breting 12 question.

Message-ID: <970815164853\_687197212@emout18.mail.aol.com>

I have a Breting 12 receiver that is missing the little translucent pointer that goes behind the main tuning dial and need to know if there are any other Breting 12 owners out there that can describe the shape of this thing to me. The pointer for the vernier dial still exists on my set. Were they the same?

Thanks,  
Joe Selkregg

-----  
Date: Fri, 15 Aug 1997 14:10:58 -0700 (PDT)  
From: David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>  
To: boatanchors@sco.theporch.com  
Subject: Tube ID help needed  
Message-ID: <199708152110.0AA21035@rubens.artisan.calpoly.edu>

I got a few NIB tubes this afternoon which I don't readily recognize, can anyone tell me a little about them and what they were used in? Thanks in advance:

Amperex HF-130 (brass based)

Raytheon RK-60

WE-416A (this thing looks like it's gold plated?)

Eimac 3C24/24G

Eimac 304TL

Thanks again.

73

Dave

KF6BOM

David Ragsdale, R.E.H.S., Environmental Health and Safety Manager  
Risk Management, California Polytechnic State University, San Luis Obispo

-----  
Date: Fri, 15 Aug 1997 16:40:15 -0500  
From: bdhall@ghg.net (Benjamin D. Hall)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: TV-7 D/U is lying to me  
Message-ID: <3.0.32.19970815163157.006db358@mailman.ghgcorp.com>

Hiya tube folks, I think I have solved the mystery of the TV-7D/U tube tester.

I should have known better than to say anything negative about a Dan Nelson overhauled tube tester, as nothing was wrong with the tester - the problem was the stupid operator!

Several folks said "hey, check out your grid volts." That got me thinking, and made me get the TV-7D/U manual into better light.

Those of you who own TV-7's will want to flip to the pages in your manual that tell the settings for 6360's and 6DZ7's. Note that the manual says to hook up a 30 volt battery to certain socket holes on the locktal socket. I never saw that callout in the manual until today... After busting open "Fundamentals of Vacuum Tubes" by Eastman and my handy-dandy GE Tube manual, I can see that without the 30 volt battery, these tubes won't test good, period!

But anyways, it was a learning session. I refreshed my memory on control grids, screen grids, and suppressor grids, plus noticed that the BIAS setting called out in the TV-7D/U manual yields a value about 5% high according to the GE tube manual, which I don't think is that bad, really...

Thanks to everyone for their help!

73,  
Ben

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Benjamin D. Hall, KD5BYB (yes, the FCC finally issued my call!)  
Engine and radio collector / operator extraordinaire.  
Located in Houston, Texas, United States of America.  
e-mail: BDHall@ghg.net web: <http://www.ghgcorp.com/bdhall>

-----  
Date: Fri, 15 Aug 1997 14:54:26 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Tube ID help needed  
Message-ID: <Pine.BSF.3.95.970815144547.3344A-100000@piobaire.mines.uidaho.edu>

> Eimac 304TL  
>

The 304TL is a low mu triode and has a 300 watt plate dissipation. It makes a VERY fine amplifier tube, although, due to its weird internal construction (4 separate triodes in parallel in one envelope), it can

sometimes be unusual (sorry, that is the only word I can think of to describe it) to neutralize.

I have used them both singly and in push-pull as class B linear amplifiers and found them to be very reliable and easy to use. They really make a BC-610 "sit up and take notice" when used to replace its 250-TH final amp.

The tubes are meant to run red to orange color on the plates. They can be pushed safely to yellow for short periods.

These tubes are also used in Nuclear Magnetic Resonance machines as series regulator tubes. One such instrument we had in Missoula, Montana at the U of M's Chemistry Department had 12 of them in it.

Ken W7EKB

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Date: Fri, 15 Aug 1997 18:01:52 -0400  
From: John Shriver <jas@shiva.com>  
To: bdhall@ghg.net  
Cc: boatanchors@theporch.com  
Subject: Re: TV-7 D/U is lying to me  
Message-ID: <199708152201.SAA00810@brill.shiva.com>

Date: Fri, 15 Aug 1997 16:40:15 -0500  
From: bdhall@ghg.net (Benjamin D. Hall)

But anyways, it was a learning session. I refreshed my memory on control grids, screen grids, and suppressor grids, plus noticed that the BIAS setting called out in the TV-7D/U manual yields a value about 5% high according to the GE tube manual, which I don't think is that bad, really...

The bias voltage chosen on the TV-7(\*)/U is not necessarily the value in the tube manuals at all. Those are just the bias value that they give for one particular set of operating conditions. I suspect that tubes with low plate resistance are often biased extra close to cutoff, so that they don't draw more power than the plate circuit of the TV-7(\*)/U can supply.

For instance, I've hacked up some test settings for 6336's. Aside from the fact that the plate and filament voltages are way low due to high filament current, you have to bias it to 100, or it will look like a dead short to the plate supply. (Pretty much the same applies to the 6AS7/6080 data in the book.)



All that matters is that the transconductance that the test data expects at a bias voltage is appropriate for that tube design at that bias level. As the characteristic charts show, the gm is highly influenced by grid and plate voltage. (The plate voltage on the TV-7(\*)/U is pretty much fixed, there's one button to lower it some.)

At least you have a TV-7D/U, so 417A's look like amplifiers, not oscillators. (Gotta rip my TV-7/U open someday and add ferrite beads.) Even 6DJ8's take off sometimes.

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End of BOATANCHORS Digest 1622  
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